

Title (en)
METHOD OF ORE REDUCTION IN A SHAFT FURNACE

Publication
EP 0319505 B1 19920318 (FR)

Application
EP 88870178 A 19881201

Priority
BE 8701383 A 19871203

Abstract (en)
[origin: EP0319505A1] Process for the reduction of ores in a tank furnace, in which a solid fuel and an oxidizing agent which is very rich in oxygen are injected at the main tuyeres of the tank furnace, the solid fuel and the oxidizing agent which is very rich in oxygen being substantially at room temperature. The combustion of at least a proportion of the solid fuel is caused to begin before it is injected into the tank furnace, by means of a pilot flame fed with charging door gas or with coke oven gas.

IPC 1-7
C21B 5/00

IPC 8 full level
C21B 5/00 (2006.01)

CPC (source: EP)
C21B 5/003 (2013.01)

Cited by
EP3183369B1; CN1080313C; EP0447908A1; US10472689B2

Designated contracting state (EPC)
AT BE DE ES FR GB IT LU NL

DOCDB simple family (publication)
EP 0319505 A1 19890607; EP 0319505 B1 19920318; AT E73859 T1 19920415; BE 1001238 A6 19890829; DE 3869353 D1 19920423

DOCDB simple family (application)
EP 88870178 A 19881201; AT 88870178 T 19881201; BE 8701383 A 19871203; DE 3869353 T 19881201